

ABSTRACT OF THE DISCLOSURE

A fixing structure for fixing a color wheel to a base of a projector. The color wheel includes a color rotating disc having a plurality of color filters selectively transmitting light of a predetermined wavelength among white light emitted from a lamp and rotatably installed such that the respective color filters are sequentially arranged on an optical path, and a driving source which drives the color rotating disc to rotate. The fixing structure includes a first cover member coupled to the base, and a second cover member coupled to the first cover member and together therewith encompassing the color wheel. A bracket is provided to which the color wheel is coupled, and a coupling unit couples the bracket to the second cover member. A buffer member is provided between the first and second cover members and between the bracket and the second cover member for reducing vibration generated from the color wheel and transferred to the second cover member via the bracket, and vibration transferred from the second cover member to the first cover member.